



CITY OF DURHAM

FINANCE DEPARTMENT

PURCHASING DIVISION

211 RIGSBEE AVENUE

DURHAM, NC 27701

919.560.4132 • fax 919.560.4325

www.durhamnc.gov/departments/purchasing/

Mailing Address:

P O BOX 490

DURHAM, NC 27702-0490

IMPORTANT BID DOWN LOAD NOTICE

To ensure that all bidders using the Purchasing Division's Web Site are kept up to date on any addendums, changes, or informational notices; please send an e-mail to joe.clark@durhamnc.gov , indicating which bid was downloaded. Failure to complete this important step may render your bid as non-responsive.

Thank you.



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February 7, 2006

Bid No. 1-151-06

Proposals will be received in the City of Durham, Finance Department, Purchasing Division, until 4:30 p.m., February 23, 2006 for furnishing the following items listed below.

Bids can be hand delivered to 211 Rigsbee Avenue, 2nd floor, Durham, North Carolina 27701, or mailed to: P O Box 490, Durham, NC, 27702-0490, or faxed to: 919-560-4325.

The undersigned firm offers to the supply the following to the City:

Item No.	Quantity	Description	Unit Price	Extension
1.	1 each	Tractor with Boom Mower as per attached specifications and conditions	\$_____	
		TRACTOR MANUFACTURER	_____	
		TRACTOR MODEL	_____	
		BOOM MOWER MFGR.	_____	
		BOOM MOWER MODEL	_____	

QUESTIONS CONCERNING THE SPECIFICATIONS SHOULD BE DIRECTED TO PAUL KOCH, FLEET MANAGER, AT (919) 560-4101.

Bid No. 1-151-06
2/7/2006

**SEE ATTACHED SPECIFICATIONS (IF ANY), WORKFORCE STATISTICS FORM,
GENERAL CONDITIONS & EEO PROVISIONS**

PLEASE SIGN AND INCLUDE DELIVERY AND TERMS

If the City of Durham issues to the bidder a Purchase Order that refers to the Bid Number shown on this bid, the bidder shall provide the quantities of goods required by the City during the period shown in the "Delivery" box on the Purchase Order (which period begins on the Order Date shown on the Purchase Order) unless that period is changed as provided in the bid documents. The bidder will not be obligated to fulfill a Purchase Order for a quantity that is not in accordance with the quantity limitations, if any, in the bid documents. The bid documents include all conditions, specifications, and terms on file in the City's Purchasing Division under that bid number.

This the _____ day of _____, _____.
(Date) (Month) (Year)

OFFICIAL LEGAL NAME OF BIDDER

ADDRESS

CITY STATE ZIP CODE

AUTHORIZED SIGNATURE

PRINT NAME TITLE

(____) (____)
TELEPHONE NUMBER FAX NUMBER

FEDERAL I.D. NUMBER

CITY OF DURHAM PRIVILEGE LICENSE NUMBER _____

DELIVERY SHALL BE MADE WITHIN _____ DAYS AFTER RECEIPT OF
PURCHASE ORDER.

PAYMENT TERMS: _____

METHOD OF SHIPMENT: _____

F.O.B.: DESTINATION ONLY

SPECIFICATIONS

TRACTOR WITH BOOM MOWER

The following specifications are intended to describe the minimum requirements for a 65 horse powered Tractor with 20 foot Boom Mower. The unit will be used to cut right-a-ways. Units furnished to this specification shall be new and of the latest design and they shall include all items normally furnished as standard equipment including the following:

TRACTOR:

LIQUID-COOLED DIESEL ENGINE:

1. Minimum horsepower, 65 PTO HP _____
2. Minimum cubic inch displacement: 238 (3.9 l) _____
3. Minimum number of cylinders: 4 _____
4. Engine shall be Tier II compliant and meet or exceed all current EPA emission requirements _____
5. Tier II compliance certificate shall be available upon request _____
6. Twelve volt electrical system consisting of a minimum 40-ampere alternator, electric starter, total minimum battery rating of at least 800 cold cranking amperes (CCA) _____
7. Ignition switch shall be keyed type with safety device to prevent engine starting when transmission is in gear _____
8. Diesel engine fuel filtration system shall include a screen at the fuel tank or transfer pump and at least two stages of filtration. Filter stages may consist of a primary and a secondary filter, or a two stage filter in a common housing. At least one drain shall be provided in the system to prevent water damage to the injection system. All items shall be factory approved and installed _____
9. Full-flow type oil filtration system with replaceable filter and provision for bypassing oil to the engine as the filter becomes clogged _____

SPECIFICATIONS

10. Dry type air cleaner, including a primary element, a safety element, an internal or external precleaner and a restriction (service) indicator. Indicator shall be easily visible from the operator's station _____
11. Cooling system shall have antifreeze protection to -30 °F (-34 °C) or lower _____
12. Unit shall be equipped with Audible alarm and warning light for the following engine conditions:
 - a. High Engine temperature _____
 - b. Low engine oil pressure _____
13. Vertical muffler and exhaust pipe with rain cap. Exhaust pipe shall be of sufficient length to exhaust fumes above the head of the operator _____
14. Unit shall be equipped with glow plugs or preheater starting aid _____

INSTRUMENTATION: The unit shall be equipped with, but not limited to, the following gauges, indicators and alarms. All shall be located at instrument panel. Wherever gauges are specified, indicator lights are not acceptable. If an electronic monitoring system is furnished which monitors the following minimum conditions, it is acceptable.

1. Engine coolant temperature gauge _____
2. Engine oil pressure gauge _____
3. Fuel Quantity gauge _____
4. Ammeter or voltmeter gauge _____
5. Hourmeter, electric quartz type, shock proof, totally sealed case, with readout up to 9,999.9 hours _____
6. Tachometer _____

SPECIFICATIONS

TRANSMISSION:

1. Oil bath type or pressure lubricated with a heavy-duty clutch _____
2. Minimum 8 forward and 2 reverse speeds _____

DIFFERENTIAL:

1. Differential lock, torque proportioning system, or approved equal _____

BRAKES:

1. Standard type service brakes are normally furnished on model offered shall be individually and/or simultaneously foot actuated _____
2. Parking brake, or means provided for setting the service brakes for parking, capable of holding the fully loaded unit on any grade the unit can negotiate _____

STEERING:

1. Hydraulic power steering _____

INDEPENDENT PTO:

1. Tractor shall have a power take-off, independent of the tractor transmission clutch. It shall conform to SAE J722 MAR 91 and J1 170 FEB 93 Standards, rotate at 540 RPM, and be properly safety shielded _____

AXLES AND TREAD WIDTH: Unit shall be equipped with adjustable, heavy-duty industrial front and rear axles having the following minimum tread widths:

1. Front tread width: 49-73 inches _____
2. Rear tread width: 60-80 inches _____

SPECIFICATIONS

TIRES: Two each front tires, and two each R4 (Modified Grader) rear tires of a size and ply rating compatible with the fully loaded weight of the unit as specified, including all option identified on the Invitation for Bids. The tire shall be of a size and ply rating not less than the minimum established below regardless of fully loaded weight.

1. Front tires, minimum size: 7.50 x 16

2. Ply, minimum rating: 6PR-F2

3. Rear tires, minimum size: 16.9 x 30

4. Ply, minimum rating: 6PR-RI

HYDRAULICS: The hydraulic system(s) as normally provided by the manufacturer shall be of size, type and shall perform all required operations of the tractor and meet, but not be limited to, the following minimum requirements:

1. System shall be sealed against contaminants and any necessary air vents shall be filtered

2. Cooling system shall maintain hydraulic oil at satisfactory operating temperatures up to at least 100 °F (38 °C) ambient temperature during continuous heavy operations

3. Oil filter(s) with replaceable element(s)

4. Reservoir with visual oil level indicator or dipstick

ENCLOSED ROPS CAB: The unit shall be equipped with the manufacturer's regularly advertised fully enclosed cab, constructed of steel and glass with environmental sound proofing material on interior cab walls and roof. A ROPS shall be built into the cab and meet current SAE standards. The enclosed ROPS cab shall be equipped with, but not limited to the following:

1. Powered intermittent windshield wipers, one front and one rear, with windshield washer(s) for both front and rear windows

2. Factory-installed air conditioning (A/C) system (dealer-installed systems are not acceptable). System shall include all necessary components. System shall comply with the performance requirements and design

SPECIFICATIONS

guidelines of the current SAE standards. The A/C system shall have a minimum 18,400 BTU rating

a. The (A/C) system components shall be positioned in such a manner so that they will not hamper the operator when entering or leaving the cab enclosure, or while operating the equipment

b. Air intake location shall ensure that exhaust gases will not be drawn into the cab enclosure

3. Minimum 37,500-BTU heater with defroster

a. Temperature rheostat and minimum two-speed fan control

4. Cab pressurize system, complete with filter

5. Cab dome light

6. Sun visor

7. Cloth seat with arm rests, cushioned, adjustable type, hydraulic suspension, with padded backrest and retractable seat belt, or equal that meets the current SAE standards

8. Cab floor shall be equipped with a one-piece, form fitting, rubber mat or coated with a skid-resistant material

9. Inside rear view mirror and West Coast type outside rearview mirrors as normally offered by the manufacturer. Convex mirrors are not acceptable

10. All glass shall be tinted safety glass. Film tinted glass is not acceptable

11. Curb-side door shall be equipped with Lexan type glass

12. Non-skid access steps and grab handles. Cable steps are not acceptable

SPECIFICATIONS

13. AM/FM radio system complete with speakers and radio antenna

14. Maximum operator station sound of 75 db per SAE J919

ACCESSORIES, LIGHTING AND SAFETY EQUIPMENT:

1. Unit shall be equipped with (2) headlights

2. One combination stop and tail lamp displaying a red color and one red reflector on each side. Lamps and reflector may be incorporated in a single unit

3. (2) amber flashing bi-directional warning lights having a minimum seven inch (180 mm) diameter lens, mounted the same level and as widely spaced laterally as practicable and visible from front and rear. A four position control shall be provided for off, flash right only, flash left only and flash both lights

4. Electric horn

5. Standard rear fenders as normally furnished by the Manufacturer

6. Heavy-duty swinging drabber and heavy-duty support Brackets

7. Shock absorber type cushioned seat with backrest, and a seat belt meeting SAE J386 JUN 93 or latest revision

8. Foot accelerator

9. The PTO control and all other controls shall be clearly marked and identified as to their function

SPECIFICATIONS

BOOM MOWER:

FLAIL MOWER: The unit shall meet the following minimum requirements:

1. Cutting width, minimum 48 inches _____
2. Cutting blades shall be driven by a hydraulic motor _____
3. Cutting blades shall be of the Flail Axe Head type _____
4. Cutter head shall have tilt control for cutting parallel to slopes _____
5. Cutter head shall be capable of rotating a minimum of 100 degrees _____
6. Hydraulic control valve for raising/lowering rotary mower boom shall have a float detent position _____
7. Gauge wheels shall be provided for controlling cutter height when mowing in float position _____
8. Cutter head shall have either metal guards or cable connected chain that gives 360-degree protection and prevents objects from being thrown out from beneath the mower _____
9. Leading edge of cutter head shall be removable for brush cutting _____

BOOM:

1. Boom shall be telescoping or articulated in design. If articulated design, the boom shall consist of two articulated arms with a third arm that retracts into the second arm _____
2. The boom and cutter assembly shall extend from a point of 9 feet or less from the side of the tractor out to a minimum of 20 feet These measurements shall be taken from the centerline of the tractor straight out to the outer edge of the mower head _____

SPECIFICATIONS

3. Level reach shall be not less than 7 feet 11 inches from center of the tractor to the inner edge of the rotary mower _____
4. Boom shall be capable of movement within a vertical arc of at least 25 degrees above and 45 degrees below the level position and a horizontal arc of at least 100 degrees _____
5. Boom shall have a breakaway feature that permits the cutter assembly to swing rearward when meeting an obstruction _____

HYDRAULIC SYSTEM:

1. Power for cutter operation shall be provided by a hydraulic pump driven by the tractor engine or power take-off _____
2. The hydraulic system shall provide sufficient pressure and volume to operate and control the unit without overheating of fluid _____
3. A hydraulic reservoir and all valves, hoses and couplings shall be furnished as necessary for installation of the boom mower _____

OTHER:

1. Warranty of 12 Months on parts and labor _____
2. 100 Hour Service Check _____

DELIVERY AND ACCEPTANCE:

1. The complete unit is to be delivered to the City of Durham Fleet Maintenance Facility, 1900 Camden Avenue, Durham, NC 27704.
2. The following material shall be furnished upon delivery:
 - a. Two (2) Parts Manuals _____

SPECIFICATIONS

- b. Two (2) Complete Service Manuals _____
 - c. Two (2) Operator's Manuals _____
 - d. Four (4) Sets of Keys _____
 - e. One (1) Proper Warranty Document _____
3. City of Durham personnel included during the inspection and acceptance will be the Fleet Manager, Operations Supervisor, Safety Coordinator, and any other related City personnel.
4. During the inspection and acceptance, detailed technical training must be offered through qualified company representatives. Trainers shall be certified by a factory program.
- a. Training shall cover the current operator maintenance procedures, starting, stopping and all current safety related issues surrounding this type of machine.
 - b. Bidder shall provide (1) copy of the latest video tapes that cover operating procedures, maintenance procedures, and safety related issues surrounding the machine.

GENERAL CONDITIONS

1. Bids under \$90,000 are considered informal; therefore, they will not be opened at any specific time. Bids will be opened and tabulated the first working day following the due date shown on the "Request for Quotation".
2. The bid must be signed by an authorized official of the firm.
3. The City reserves the right to reject any or all bids. It further reserves the right to waive formalities and technicalities in as far as it is authorized to do so, where it deems it advisable in the best interest of the City.
4. All information requested, including manufacturer, model/part numbers, unit prices and extensions must be entered on the appropriate spaces provided; otherwise, bid is subject to rejection.
5. All bids must be submitted on this form; otherwise, they are subject to being rejected.
6. Do not include Federal or State taxes in the bid prices. The City is exempt from Federal Tax and will furnish exemption certificates. The City pays State tax; if you are awarded the bid, add State and Local (when applicable) sales tax to your invoice.
7. The award of the bid shall be made to the lowest responsible bidder taking into consideration, quality, performance, and time of delivery.
8. Any changes made after the bid has been awarded regarding specifications, quantities ordered, etc., must be with the written consent of the Purchasing Manager; otherwise, the responsibility for such changes will be with the supplier.
9. Alternate bids may be submitted; if deemed advantageous to the City, they will be evaluated and considered. The City is under no obligation to consider or accept an alternate bid and reserves the right to reject any or all such bids. Alternate bids may be made beyond responding to the terms and conditions of the solicitation or as the only response to the solicitation.
10. All exceptions to the specifications and/or special conditions must be noted in writing. Bids that fail to meet this condition are subject to rejection.
11. Brand names are used in specifications solely for denoting the type and quality of articles or articles wanted. When bidding items based on being "equal" to what are requested, literature and specifications describing the items must accompany the bid to ensure proper consideration.

GENERAL CONDITIONS

12. All bids shall be firm for 45 days from the bid opening date.
13. Bids can be hand delivered our office at 211 Rigsbee Avenue or mailed to the Purchasing Division, P O Box 490, Durham, North Carolina 27702-0490. **Bids may be faxed in to (919) 560-4325.** All bids received must be clearly labeled as a bid showing the bid number and the date and time of the bid opening. Late bids will not be considered.
14. In signing the bid, Bidder agrees to comply with the provisions of the attached "Equal Employment Opportunity" provisions.
15. The City of Durham encourages participation from minority (MBE), women (WBE), and disadvantaged (DBE) business suppliers.
16. In case of default by the bidder, the City reserves the right to obtain articles or services from other sources and to hold the bidder responsible for the difference in cost.
17. THE CITY OF DURHAM OPPOSES DISCRIMINATION ON THE BASIS OF RACE AND SEX AND URGES ALL OF ITS CONTRACTORS TO PROVIDE A FAIR OPPORTUNITY FOR MINORITIES AND WOMEN TO PARTICIPATE IN THEIR WORK FORCE AND AS SUBCONTRACTORS AND VENDORS UNDER CITY CONTRACTS. During the performance of this Contract the Seller agrees as follows: (a) The Seller shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, political affiliation or belief, age, or handicap. The Seller shall take affirmative action to insure that applicants are employed and that employees are treated equally during employment, without regard to race, color, religion, sex, national origin, political affiliation or belief, age, or handicap. Such action shall include but not be limited to the following: employment, upgrading, demotion, transfer, recruitment or advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The Seller shall post in conspicuous places, available to employees and applicants for employment, notices setting forth these provisions. (b) The Seller shall in all solicitations or advertisements for employees placed by or on behalf of the Seller, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, political affiliation or belief, age, or handicap. (c) The Seller shall send a copy of the EEO provisions to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding. (d) In the event of the Seller's noncompliance with these EEO provisions, the City may cancel, terminate, or suspend this contract, in whole or in part, and the City may declare the Seller ineligible for further City contracts. (e) Unless exempted by the City Council of the City of Durham, the Seller shall include these EEO provisions in every purchase order for goods to be used in performing this contract and in every subcontract related to this contract so that these EEO provisions will be binding upon such subcontractors and vendors.

GENERAL CONDITIONS

18. All organizations doing business with the City of Durham are required to comply with all state, local and federal licensing requirements. This includes obtaining a City of Durham business privilege license (if applicable). All contractors receiving awards must conform to the City of Durham procedures that include obtaining a City of Durham Privilege License. To obtain a Privilege License, call (919) 560-4700.
19. Assistance in completing the bid forms is available by contacting the City's Purchasing Division, telephone (919) 560-4132.

Joseph W. Clark
Purchasing Manager

Lynette McRae
Purchasing Agent

Gregory Lee
Purchasing Agent

Robert E. Martin C.P.M.
Purchasing Agent

WORKFORCE STATISTICS

All vendors must complete and submit the following workforce information in order for bid to be considered.

WORKFORCE STATISTICS CORPORATION STATISTICS

Total Workforce	_____	# Black Males	_____	(____%)
Total # Females	_____ (____%)	# White Males	_____	(____%)
Total # Males	_____ (____%)	# Other Males	_____	(____%)
		# Black Females	_____	(____%)
		# White Females	_____	(____%)
		# Other Females	_____	(____%)

LOCATION OF COMPANY PERFORMING CONTRACT

City:_____ State:_____

Total Workforce	_____	# Black Males	_____	(____%)
Total # Females	_____ (____%)	# White Males	_____	(____%)
Total # Males	_____ (____%)	# Other Males	_____	(____%)
		# Black Females	_____	(____%)
		# White Females	_____	(____%)
		# Other Females	_____	(____%)

I certify that the information provided is true and correct at the time and date of filing this bid.

Date

Authorized Signature

Name of Firm

Bid No. 1-151-06
2/7/2006